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APPLICATION NO. FILING DATE 10/629,942 07/29/2003		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
		Mustafa Michael Pinarbasi	HSJ920030061US1		
75	90 11/02/2005	EXAMINER			
Hitachi Global Stroage Technologies Intellectual Property Law			WATKO, JULIE ANNE		
	ad (NHGB/014-2)		ART UNIT	PAPER NUMBER	
San Jose, CA 95193			2653		

DATE MAILED: 11/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.		Applicant(s)				
			10/629,942		PINARBASI, MUSTAFA MICHAEL			
Office Action Summary			Examiner		Art Unit			
		,	Julie Anne Watko		2653			
Period fo	The MAILING DATE of this communic or Reply	ation appea	ars on the cover sheet w	with the co	orrespondence ad	Idress		
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FO CHEVER IS LONGER, FROM THE MA nsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this community or period for reply is specified above, the maximum stature to reply within the set or extended period for reply we reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	ILING DAT 37 CFR 1.136(nication. utory period will ill, by statute, ca	E OF THIS COMMUN (a). In no event, however, may a apply and will expire SIX (6) MC ause the application to become it	IICATION a reply be time ONTHS from the	By filed the mailing date of this cook (35 U.S.C. § 133).	•		
Status								
1)⊠	Responsive to communication(s) filed	on 20 Oct	ober 2005.					
• —			ction is non-final.					
3)□	,—							
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935.C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims							
4)⊠	4)⊠ Claim(s) <u>1-17</u> is/are pending in the application.							
	4a) Of the above claim(s) <u>8-14</u> is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
6)⊠								
7)🛛	_							
8) 🗌	Claim(s) are subject to restricti	on and/or e	election requirement.	•				
Applicati	on Papers							
9)	The specification is objected to by the	Examiner.	•					
10)⊠ The drawing(s) filed on <u>07/29/2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) 🔲 Notice 3) 🔲 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTC nation Disclosure Statement(s) (PTO-1449 or PT r No(s)/Mail Date			(s)/Mail Date Informal Pa)-152)		

DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 2. Claims 4-7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 4 recites the limitation "said head surface" in line 4. Claim 6 recites the limitation "said head surface" in line 5. There is insufficient antecedent basis for this limitation in the claims.

Claim Rejections - 35 USC § 102

- 3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 4. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Taniyama et al (US Pat. No. 5897969).

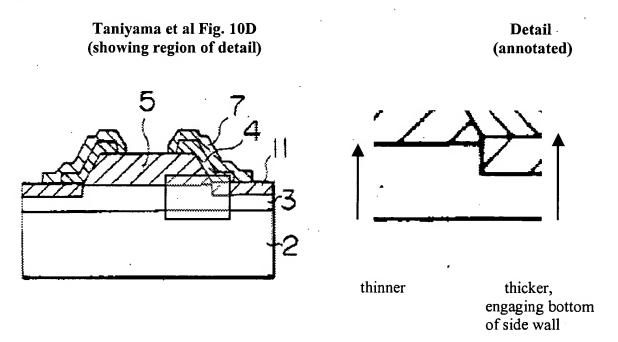
Due to similarities in claim recitations, the independent claims will be treated together.

As recited in claims 1, 4 and 6, Taniyama et al show a magnetic read head (see Fig. 10D) that has a head surface comprising a read sensor 5 that forms a portion of said head surface and has first and second side walls which extend into the read head from said head surface; nonmagnetic electrically insulative first (including 3 and 11) and second 8 read gap layers wherein the first read gap layer includes a read gap material layer 3 and first and second refill gap layers 11; the read gap material layer having first and second depressions (in which refill

Application/Control Number: 10/629,942

Art Unit: 2653

layers 11 are located) which extend laterally from the first and second side walls respectively of the sensor, the first and second refill gap 11 layers being disposed in the first and second depressions and engaging a bottom portion of the first side wall and engaging a bottom portion of the second side wall (see Fig. 10D, annotated detail) respectively; the first read gap layer having first and second portions which extend laterally from the first and second side walls of the sensor and a third portion which engages a bottom surface of the sensor and is located between said first and second portions; and a first lead layer 7 electrically connected to a top portion of the first side wall and a second lead layer 7 electrically connected to a top portion of the second side wall.



As recited in claims 2, 4 and 6, in addition to the above teachings, Taniyama et al show a magnetic head (see Fig. 1) assembly comprising: a write head (including 9, 13 and 14); a read head adjacent the write head; a ferromagnetic first shield layer 2; the first read gap layer (3 and

11) interfacing the first shield layer 2; a ferromagnetic second shield layer 9 interfacing the second read gap layer.

As recited in claim 6, a housing; a magnetic medium supported in the housing; a support mounted in the housing for supporting the magnetic head assembly with said head surface facing the magnetic medium so that the magnetic head assembly is in a transducing relationship with the magnetic medium; a motor for moving the magnetic medium; and a processor connected to the magnetic head assembly and to the motor for exchanging signals with the magnetic head assembly and for controlling movement of the magnetic medium are all inherent to the "magnetic disc apparatuses" taught by Taniyama et al (see col. 1, lines 9-16).

As recited in claims 3, 5 and 7, Taniyama et al show first and second hard bias layers 4 interfacing the first and second refill gap layers 11 respectively and the top portion of the first and second side walls respectively; and said first and second lead layers 7 interfacing the first and second hard bias layers 4 respectively.

Allowable Subject Matter

5. Claims 15-17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

6. Applicant's arguments filed October 20, 2005, have been fully considered but they are not persuasive.

On page 12, 1st paragraph, Applicant argues "Claims 1-7 were rejected under 35 USC 102(b) as being anticipated by Taniyama. Amended claim 1 is distinguished over Taniyama by

reciting: "the first and second refill gap layers being disposed in the first and second depressions and engaging a bottom portion of the first side wall and engaging a bottom portion of the second side wall respectively; the first read gap layer having first and second portions which extend laterally from the first and second side walls of the sensor and a third portion which engages a bottom surface of the sensor and is located between said first and second portions; each of said first and second portions having a thickness which is greater than a thickness of said third portion;" The Examiner notes that in col. 4, lines 58-61, Taniyama et al teach that "The combined thickness of the insulating film 11 and the lower gap film (lower insulating film) 3 in a region other than the track portion, of course, can be larger than the track portion." Furthermore, this feature is shown in Fig. 10D of Taniyama et al. Thus, the independent claims remain anticipated, despite Applicant's amendments.

Applicant's arguments regarding claims 15-17 are persuasive.

Conclusion

7. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

Art Unit: 2653

however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julie Anne Watko whose telephone number is (571) 272-7597. The examiner can normally be reached on Monday-Thursday until 4:45PM, and Friday until 6PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William R. Korzuch can be reached on (571) 272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Julie Anne Watko
Primary Examiner
Art Unit 2653

October 28, 2005 JAW